

# L3 (7.3) Subtracting Polynomials

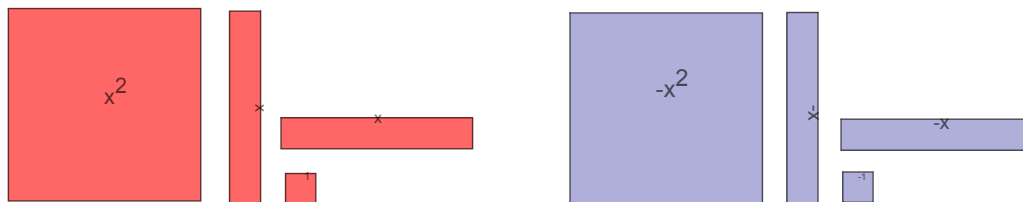
Give examples of a few

a) monomials:  $2x, 5x, 3y, 3xy$

b) binomials:  $(3x^2 - 3), (2x^2 + 5)$

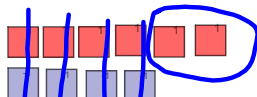
c) trinomials:  $(4x^2 + 3x + 2), (2x^2 + 5x - 2)$

d) polynomials: \_\_\_\_\_

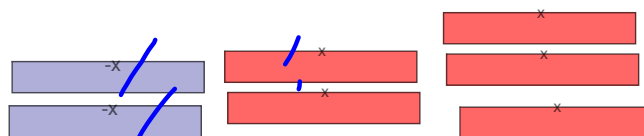


Use algebra tiles to subtract

a)  $6 - 4 = \underline{+2}$

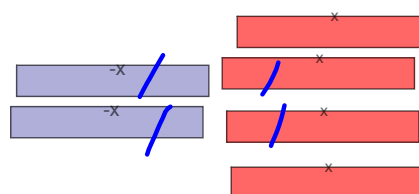


b)  $5x - 2x = \underline{+3x}$



c)  $(4x + 6) - (2x + 3)$

$= 4x + 6 - 2x - 3$   
 $= 2x + 3$



Now subtract these without algebra tiles

a)  $2 - 5 = \underline{-3}$

b)  $2x - 3x = \underline{-1x}$

c)  $(2x + 4) - (3x + 8)$   
 $= 2x + 4 - 3x - 8$   
 $= -1x - 4$

d)  $(x^2 + 2x + 1) - (3x^2 + 4x - 3)$   
 $= x^2 + 2x + 1 - 3x^2 - 4x + 3$   
 $= -2x^2 - 2x + 4$

Assigned Work:

p.265-267 #2, 3, 5, 6, 7ace